

WHAT IS CLAIMED IS:

1. A biomass resin composition comprising a phenolized biomass substance and a reactive substance having a melting point of at most 100°C.

2. The biomass resin composition of Claim 1, which comprises a product obtained by reacting a biomass substance, phenol and a reactive substance having a melting point of at most 100°C, in the presence of an acid catalyst.

3. The biomass resin composition of Claim 1, wherein said reactive substance is at least one compound selected from the group consisting of phenols, phenol derivatives and condensates of phenol and aldehyde.

4. The biomass resin composition of Claim 3, wherein said reactive substance is butylphenol, octylphenol, nonylphenol, benzylphenol or benzyl phenyl ether.

5. The biomass resin composition of Claim 1, wherein said reactive substance is an oil that contains an aliphatic chain having an unsaturated bond.

6. The biomass resin composition of Claim 1, wherein said reactive substance is drying oil.

7. The biomass resin composition of Claim 6, wherein said drying oil is at least one oil selected from the group consisting of wood oil, linseed oil and cashew oil.

5           8. The biomass resin composition of Claim 1, wherein the amount of said reactive substance is 3 to 50 % by weight based on the total biomass resin composition.

9. The biomass resin composition of Claim 1, wherein said  
10 biomass substance is a lignocellulose substance.

10. A process for preparing the biomass resin composition of Claim 1, which comprises adding a reactive substance or a precursor of a reactive substance to the reaction system, in the step of preparing a  
15 phenolized biomass substance by phenolizing a biomass substance with a phenol in the presence of an acid catalyst.

11. The process for preparing a biomass resin composition of Claim 10, wherein said precursor of a reactive substance is benzyl  
20 alcohol.

12. The process for preparing a biomass resin composition of Claim 10, wherein the amount of said reactive substance is 3 to 50 % by weight based on the total biomass resin composition.

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13. The process for preparing a biomass resin composition of Claim 10, wherein after reacting a biomass substance, a reactive

substance and a phenol in the presence of an acid catalyst, reaction is conducted with an aldehyde or an aldehyde derivative.

14. A curable biomass resin composition comprising  
5 at least one substance selected from the group consisting of hexamethylenetetramine, epoxy resin, phenol-resol resin, urea resin, melamine resin, polyamide acid and polyvalent isocyanate; and the biomass resin composition of Claim 1.

10 15. A binder comprising the curable biomass resin composition of Claim 14.

16. A molding material of thermosetting biomass resin comprising the curable biomass resin composition of Claim 14.

15 17. A molded article comprising the binder of Claim 15 or the molding material of thermosetting biomass resin of Claim 16.